



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/620,923

Filing Date:

07/16/2003

Applicant:

Tatsuhiko Nonoyama, et al.

**Group Art Unit:** 

1755

Examiner:

Carol M. Koslow

Title:

PIEZOELECTRIC CERAMIC COMPOSITION AND METHOD OF

PRODUCTION OF SAME, PIEZOELECTRIC ELEMENT, AND

DIELECTRIC ELEMENT

**Attorney Docket:** 

4041K-000141

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

## I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

#### II. COPIES

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated

	October 19, 2004); and (iv) all other information or that portion which cause be listed.				
	B. Any patents, publications or other info 1449 or on the copies of PTO-892, but which previously cited by or submitted to the PTO ir which has been relied upon for an earlier filing	n are not enclosed herewith, were n one of the following applications			
	U.S. Serial Number	U.S. Filing Date			
	C. This is a PCT application in the entry of States. A copy of the International Search Reinformation. The documents listed on the International Search Reinformation. The documents listed on the International Search attached Form 1449 for consideration any patent resulting from this application. If the International Search authorities, have been supplied to the INSETO under	port is attached for the Examiner's ernational Search report are listed by the Examiner and for listing on the International Search report was copies of these references should			
	have been supplied to the USPTO under believed to be in the file of the above-identified	application. (MPEP 1893.03(g).)			
III.	CONCISE EXPLANATION OF THE RELEVAN	<u>CE</u> (check <u>at least</u> one box)			
	A.   Except as may be indicated below in (B) other information are in the English language (c)				
	B. A concise explanation of the relevance of information listed that is not in the English lang § 1.98(a)(3)):	•			
	1. See the attached foreign pater counterpart foreign application:	nt office communication from a			
	2. English abstracts for the Japanese	e references are provided.			
	3.  Other:				
	C. The following additional information consideration.	is provided for the Examiner's			

IV.	CROSS REFERENCE 1	O RELATED APPLICA	ATION(S)	
	contain(s) subject matte	er that may be related lication(s) to the Exam	llowing co-pending application(d to the present application. Einer's attention, Applicant(s) does U.S.C. § 122.	Зý
	Serial No.	Filing Date	Art Unit	
<b>V</b> .	THIS IDS IS BEING FIL	ED UNDER		
	A. 🛛 37 C.F.R. § 1.97(k	o): (check <u>only</u> one box	)	
	than a continued		ate of a national application other on under § 1.53(d) (37 C.F.R. uired.	
		an international applic	entry of the national stage as sation (37 C.F.R. § 1.97(b)(2)). N	
	1.97(b)(3)). No office Action on under 37 C.F.R. 1.97(e) below; or	fee or certification is rethe merits has been § 1.97(c) and see the retification has	Action on the merits (37 C.F.R. equired. In the event that a fir issued, please consider this ID e certification under 37 C.F.R. been made, charge our deposas required by 37 C.F.R. § 1.17(	st S § sit
			Action after the filing of a reque R. § 1.114. No fee or certification	
	В. <b> 37 С.F.R. § 1.97(</b> с	;): (check <u>only</u> one box	)	
		of Allowance under 37	al Office Action under 37 C.F.R. C.F.R. § 1.311, or an action the	
	1.  No certificate by 37 C.F.R. § 1.		the amount of \$180.00 is require	∌d
	2 ☐ See the cer	tification below. No fee	is required	

	C. 37 C.F.R. § 1.97(d):
	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
VI.	CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
	The undersigned hereby certifies that:
	A.   each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)).   See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or
	B.  no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
	C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.
VII.	STATEMENT UNDER 37 C.F.R. 1.704(d)
	The undersigned hereby states that:
	each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

## VIII. PAYMENT OF FEES (check only one box)

A. A check in the amount of \$180.00 is enclosed for the above identified fee.

B. 

Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: June 20, 2005

Michael J. Schmidt

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

MJS/pmg

### FORM HDP-1449 (Based on Form PTO-1449)

# **PATENT AND TRADEMARK OFFICE** OPMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.	SERIAL NO.	
4041K-000141	10/620,923	
APPLICANT		
Tatsuhiko Nonoyama, et al.		
FILING DATE	GROUP	
07/16/2003	1755	

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	,					

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No	0
1.		JP 10-53465	02/1998	Japan		Abstract	
2.		JP 11-228227	08/1999	Japan		Abstract	
3.		JP 11-228228	08/1999	Japan		Abstract	
4.		JP 2001-240471	09/2001	Japan		Abstract	
5.		JP 2002-193663	07/2002	Japan		Abstract	
6.		JP 2003-12373	01/2003	Japan		Abstract	

OTHE	OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)			
Ref. Desig.	Examiner's Initials			
1.				

Examiner:	Date Considered:	